

ABSTRACT OF THE DISCLOSURE

A method for homogeneously assaying biopolymer bonding includes obtaining signals from a test sample before, during and/or after the application of stimulus to the test sample and correlating the signals. The signals, whose magnitude correlate with binding affinity, can be, for example, electrical conductance and/or fluorescent intensity. The stimulus can be, for example, electric voltage and/or laser radiation. Preferably, different types of signals are measured and compared so as to enhance the reliability of the assay.